

6.2.5 2008 Impacts of Saving an Electric Quad (1)

<u>Plant Fuel Type</u>	<u>Utility Fuel Input Shares (%)</u>	<u>Average-Sized Utility Unit (MW) in 2006</u>	<u>Aggregate Number of Units to Provide the Fuel's Share of the Electric Quad (2)</u>
Coal	51%	236	36
Petroleum	1%	17	94
Natural Gas	17%	84	136
Nuclear	21%	1,029	3
<u>Renewable (3)</u>	<u>9%</u>	<u>127</u>	<u>182</u>
Total	100%		450

Note(s): 1) This table displays the breakdown of electric power plants that could be eliminated by saving an electric quad, in exact proportion to the actual primary fuel shares for electricity produced nationwide in 2008. Use this table to estimate the avoided capacity implied by saving one electric quad. 2) Based on typical U.S. power plants operating less than full load throughout the year. 3) Includes pumped storage.

Source(s): EIA, Electric Power Annual 2009, Jan. 2011, Table 1.2, p. 17; and EIA, Annual Energy Outlook 2011 Early Release, Dec. 2010, Table A2, p. 3-5 for consumption and Table A8, p. 18-19 for electricity supply.